

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11787	((428/474.7,516,519,521,34.8,35.2,35.7) or (426/105,138,277,135)).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/23 13:07
L3	215	((cross-linked djpolyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near10 ((polyamide adj resin) or 6-nylon or 66-nylon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/23 13:10
L4	3	1 and L3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/23 13:10
S25	4	("4,229,481").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/12 14:28
S27	2	("7183006").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 08:01
S28	4	((("4560520") or ("6352762"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 08:03
S29	15	("20030031765" "3378397" "4560520" "5859145" "6200613" "6352762").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:04
S36	215	((cross-linked djpolyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near10 ((polyamide adj resin) or 6-nylon or 66-nylon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:28
S37	35	((((cross-linked djpolyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near10 ((polyamide adj resin) or 6-nylon or 66-nylon)) near15 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:28
S38	2	("0217596").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 08:30

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S39	37	((((cross-linked djpolyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon)) near15 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:32
S40	38	((((cross-linked djpolyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon)) near20 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:33
S41	1	((((cross-linked djpolyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon)) near20 layer and smoke	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:33
S42	38	((((cross-linked djpolyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon)) near30 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:35
S43	38	((((cross-linked djpolyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon)) near60 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:35
S44	43	((((cross-linked djpolyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near40 ((polyamide adj resin) or 6-nylon or 66-nylon)) near60 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:35
S45	1	10/578684	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:36
S46	753813	((((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon) or (Nylon adj S31) or (Nylon adj "66") or (Nylon or "610") or (Nylon adj S36) or (Nylon adj S37) or (MXD adj nylon) or (polymetaxylylene adj adipamide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:39

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S47	753816	((((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or N-vinylpyrrolidone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon) or (Nylon adj "6") or (Nylon adj "66") or (Nylon or "610") or (Nylon adj "11") or (Nylon adj "12") or (MXD adj nylon) or (polymetaxylylene adj adipamide)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:40
S48	47975	((((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon) or (Nylon adj S31) or (Nylon adj "66") or (Nylon or "610") or (Nylon adj S36) or (Nylon adj S37) or (MXD adj nylon) or (polymetaxylylene adj adipamide))) near25 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:41
S49	415769	((("428") or ("426")),CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 08:41
S50	6375	S48 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:42
S51	7784	(((((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon) or (Nylon adj S31) or (Nylon adj "66") or (Nylon or "610") or (Nylon adj S36) or (Nylon adj S37) or (MXD adj nylon) or (polymetaxylylene adj adipamide))) near25 layer) near50 (olefin or ethylene or propylene or butene or polypropylene or polybutene or (ionomer adj resins) or (ethylene adj acrylic adj acid) or (ethylene adj vinyl adj acetate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:45

## EAST Search History

S52	7755	(((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon) or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide))) near25 layer) near50 (olefin or ethylene or propylene or butene or polypropylene or polybutene or (ionomer adj resins) or (ethylene adj acrylic adj acid) or (ethylene adj vinyl adj acetate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:46
S53	7755	(((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon) or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide))) near25 layer) near50 (olefin or ethylene or propylene or butene or polypropylene or polybutene or (ionomer adj resins) or (ethylene adj acrylic adj acid) or (ethylene adj vinyl adj acetate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:46
S54	2113	S53 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:47
S55	72	S54 and smoke	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:47
S56	417	S54 and tubular	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:49
S57	1424	S54 and (case or casing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:50
S58	99	S54 and (case or casing) and sausage	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 08:50

## EAST Search History

S59	402261	((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon) or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:20
S60	104448	((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or polyvinylpyrrolidone)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:21
S62	104448	(cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or polyvinylpyrrolidone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:22
S63	104448	S60 and S62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:23
S65	441314	(polyamide adj resin) or 6-nylon or 66-nylon or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:25
S66	16705	S65 and S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:25
S67	799	((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or polyvinylpyrrolidone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:26
S68	799	((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or polyvinylpyrrolidone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon or (Nylon\$6) or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:28

## EAST Search History

S69	341	((((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or polyvinylpyrrolidone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide))) near20 (olefin or ethylene or propylene or butene or polypropylene or polybutene or (ionomer adj resins) or (ethylene adj acrylic adj acid) or (ethylene adj vinyl adj acetate)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:28
S70	18	S69 and S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:29
S71	38	((((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or polyvinylpyrrolidone) near15 ((polyamide adj resin) or 6-nylon or 66-nylon or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide))) near15 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:30
S72	45	((((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or polyvinylpyrrolidone) near25 ((polyamide adj resin) or 6-nylon or 66-nylon or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide))) near15 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:30
S73	90	((((cross-linked adj polyvinyl adj pyrrolidone) or (Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or polyvinylpyrrolidone) near65 ((polyamide adj resin) or 6-nylon or 66-nylon or (Nylon\$6) or (Nylon\$5) or (Nylon\$6) or (Nylon\$6) or (Nylon\$5) or (MXD adj nylon) or (polymetaxylylene adj adipamide))) near55 layer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:30
S74	2	("0401131").PNL	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 09:41

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S75	2	"0401131"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:41
S76	1	10/798462	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:43
S77	2	("20040197583").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 09:43
S78	3	"9831731"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 09:48
S79	2	("4287151").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 09:54
S81	1	11/244884	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 10:03
S82	2	("5219002").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/13 10:19
S83	50	("4183882"   "4197326"   "4243074"   "4303711"   "4391302"   "4391862"   "4399839"   "4448792"   "4486507"   "4606922"   "4649962"   "4659599"   "4764406"   "4851245"   "4888223"   "4892765"   "4897274"   "4897295"   "4944970"   "5037683"   "5047253").PN. OR ("5219002").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:49
S84	0	((Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) adj casing	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:53
S85	0	((Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone) near30 casing	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:53
S86	6339	((Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:53

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S88	163	S49 and S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/03/13 10:53
S89	6828	((Polyvinyl adj Polypyrrolidone) or (PVPP) or crospovidone or crospolividone or polyvinylpolypyrrolidone)	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:55
S90	182	S49 and S89	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:55
S91	4	S49 and S89 and sausage	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:55
S92	59	S49 and S89 and layer	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/13 10:56